

**WE CLAIM:**

1. A device for eliminating electromagnetic waves, which consists essentially of an electromagnetic-wave trapping means comprising mainly a coil made of electro-conducting material and a supporting means made of a non-electro-conductive material; said trapping means being roughly perpendicularly held on said supporting means by putting the basement of said trapping means to said supporting means; the opposite end to the basement of said trapping means being used as a discharge means; and said coil having a diameter which decreases gradually from the basement to the opposite end of said electromagnetic-wave trapping means.

2. The device of claim 1, wherein said coil is formed so as to gradually reduce its diameter from the basement to the opposite end of said coil in such a manner of allowing the diameter of basement of said coil to give at least 1.2-times of that of a part near the opposite end to the basement of said coil.

3. The device of claim 1, wherein said coil is formed so as to gradually reduce its diameter from the basement to the opposite end of said coil in such a manner of allowing the diameter of basement of said coil to give 1.5-3 times of that of a part near the opposite end to the basement of said coil.

4. A method for eliminating electromagnetic waves, using the device of claim 1.